

IN THE CLAIMS

This listing of the claim will replace all prior versions and listings of claim in the present application.

Listing of Claims

1. (currently amended) A terminalcomputer to be remotely controlled from a distant control terminalcomputer through a network, the distant control terminalcomputer remotely controlling the terminalcomputer through the network, the terminalcomputer comprising:

means for receiving a remote operation message from the distant control terminalcomputer through the network;

means for extracting remote operation input information relating to software being executed by the computer from the received remote operation message, and entering the remote operation input information into an operating system of the terminalcomputer to cause the software being executed by the computer to perform a particular function; and

history recording means for recording the remote operation input information at the terminalcomputer being remotely controlled by the distant control terminalcomputer in response to the remote operation input information as remote control history data.

2. (currently amended) A terminalcomputer to be remotely controlled from a distant control terminalcomputer through a network, the distant control terminalcomputer remotely controlling the terminalcomputer through the network, the terminalcomputer comprising:

communication control means for receiving remote operation input information relating to software being executed by the computer from the distant control terminalcomputer through the network;

remote operation basic control means for entering the received remote operation input information into an operating system of said terminal computer to cause the software being executed by the computer to perform a particular function; and

history recording means for creating a remote control history file at the terminalcomputer being remotely controlled by the distant control terminalcomputer according to the remote operation input information and information supplied from the operating system of said terminalcomputer to the softwarean application program.

3. (currently amended) A terminalcomputer to be remotely controlled from a distant control terminalcomputer through a network, the distant control terminalcomputer remotely controlling the terminalcomputer through the network, the terminalcomputer comprising:

communication control means for receiving a remote operation message relating to software being executed by the computer from the distant terminalcomputer through the network;

remote operation basic control means for entering remote operation input information from the received remote operation message, and entering the remote operation input information into an operating system of the terminalcomputer to cause the software being executed by the computer to perform a particular function;

hooking means for capturing information supplied from the operating system of said terminalcomputer to the softwarean application program; and

history recording means for creating event data at the terminalcomputer being remotely controlled by the distant control terminalcomputer according to the remote operation input information and the information captured by the hooking means and for recording the created event data in a remote control history file.

4. (currently amended) The terminalcomputer according to claim 2, wherein said remote operation basic control means generates a message for reflecting the change in a terminalcomputer screen in response to the remote operation input information to said distant terminalcomputer, and sends the generated message to the network via said communication control means.

5. (currently amended) The terminalcomputer according to claim 3, wherein said remote operation basic control means generates a message for reflecting the change in a terminalcomputer screen in response to the remote operation input information to said distant terminalcomputer, and sends the generated message to the network via said communication control means.

6. (currently amended) The terminalcomputer according to claim 1, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control terminalcomputer or a

~~terminal~~computer operation in response to the remote operation input information satisfies a predetermined start condition.

7. (currently amended) The ~~terminal~~computer according to claim 2, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control ~~terminal~~computer or a ~~terminal~~computer operation in response to the remote operation input information satisfies a predetermined start condition.

8. (currently amended) The ~~terminal~~computer according to claim 3, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control ~~terminal~~computer or a ~~terminal~~computer operation in response to the remote operation input information satisfies a predetermined start condition.

9. (currently amended) The ~~terminal~~computer according to claim 1, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control ~~terminal~~computer or a ~~terminal~~computer operation in response to the remote operation input information satisfies a predetermined stop condition.

10. (currently amended) The terminalcomputer according to claim 2, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control terminalcomputer or a terminalcomputer operation in response to the remote operation input information satisfies a predetermined stop condition.

11. (currently amended) The terminalcomputer according to claim 3, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control terminalcomputer or a terminalcomputer operation in response to the remote operation input information satisfies a predetermined stop condition.

12. (currently amended) The terminalcomputer according to claim 1, wherein remote operation history recording is stopped after a lapse of a predetermined time period from the start of remote operation history recording.

13. (currently amended) A remote operation history recording method for use in a computer network system in which one of a plurality of terminalcomputers is used as a control terminalcomputer for conducting remote operation of another terminalcomputer to be a remote controlled terminalcomputer, the method comprising the steps of:

sending a remote operation message relating to software being executed by the computer from said control terminalcomputer to said remote controlled terminalcomputer;

extracting remote operation input information from the remote operation message received by the remote controlled terminalcomputer, and causing the software to perform a function ~~executing a program operation at~~ the remote controlled terminalcomputer according to the extracted remote operation input information upon input of the remote operation message into an operating system of said remote controlled terminalcomputer;

storing, as operation history data, event information generated according to the remote operation input information at the remote controlled terminalcomputer;

sending a message indicating the results of execution of the program operation from the remote controlled terminalcomputer to the control terminalcomputer; and

storing, as operation history data, event information indicating the results of the program operation at the remote controlled terminalcomputer.

14. (currently amended) The remote operation history recording method according to claim 13, wherein the remote controlled terminalcomputer judges whether or not the remote operation input information extracted from the remote operation message relating to software being executed by the computer received from the control terminalcomputer or a program operation executed in response to the remote operation input information satisfies a predetermined start condition, and if the predetermined

start condition is satisfied, remote operation history recording is started at the remote controlled terminalcomputer to store event information based on the remote operation input information and event information indicating the results of execution of the program operation.

15. (currently amended) A terminalcomputer to be remotely controlled from a distant control terminalcomputer through a network, the distant control terminalcomputer remotely controlling the terminalcomputer through the network, the terminalcomputer comprising:

means for receiving a remote operation message relating to software being executed by the computer from the distant control terminalcomputer through the network;

means for extracting remote operation input information extracted from the received remote operation message into an operating system of said terminalcomputer to cause the software being executed by the computer to perform a particular function;

history recording means for recording in a memory the remote operation input information as remote control history data at the terminalcomputer being remotely controlled by the distant control terminalcomputer; and

means for displaying remote control history information on a display screen of the terminalcomputer based on the remote control history data recorded in the memory according to a request from a terminalcomputer user.

16. (currently amended) The terminalcomputer according to claim 15, wherein history recording means records in said memory, as a part of the remote control history data, transition of display which has occurred on said terminalcomputer display screen in response to processing the remote operation input information.

17. (currently amended) A terminalcomputer to be remotely controlled from a distant control terminalcomputer through a network, the distant control terminalcomputer remotely controlling the terminalcomputer through the network, the terminalcomputer comprising:

communication control means for receiving remote operation input information relating to software being executed by the computer from the distant control terminalcomputer through the network;

remote operation basic control means for entering the received remote operation input information into an operating system of said terminalcomputer to cause the software being executed by the computer to perform a particular function;

history recording means for creating a remote control history file at the terminalcomputer being remotely controlled by the distant control terminalcomputer including the remote operation input information and information supplied from the operating system to an application program and a display controller; and

means for displaying remote control history information on a display screen of the terminalcomputer based on the contents of said remote control history file according to a request from a terminalcomputer user.

18. (currently amended) A terminalcomputer to be remotely controlled from a distant control terminalcomputer through a network, the distant control terminalcomputer remotely controlling the terminalcomputer through the network, ~~the~~ comprising:

communication control means of receiving a remote operation message relating to software being executed by the computer from the distant control terminalcomputer through the network;

remote operation basic control means for entering remote operation input information extracted from the received remote operation message into an operating system of said terminalcomputer to cause the software being executed by the computer to perform a particular function;

hooking means for capturing information supplied from the operating system of said terminalcomputer to an application program and a display controller;

history recording means for creating event data including the remote operation input information and the information captured by the hooking means and for recording the created event data in a remote control history file at the terminalcomputer being remotely controlled by the distant control terminalcomputer; and

means for displaying remote control history information on a display screen of the terminalcomputer based on the contents of said remote control history file according to a request from a terminalcomputer user.

19. (currently amended) The terminalcomputer according to claim 17, wherein said remote operation basic control means generates a message for reflecting the change in a terminalcomputer screen in response to the remote operation input information to said distant terminalcomputer, and sends the generated message to the network via said communication control means.

20. (currently amended) The terminalcomputer according to claim 18, wherein said remote operation basic control means generates a message for reflecting the change in a terminalcomputer screen in response to the remote operation input information to said distant terminalcomputer, and sends the generated message to the network via said communication control means.

21. (currently amended) The terminalcomputer according to claim 15, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control terminalcomputer or a terminalcomputer operation in response to the remote operation input information satisfies a predetermined start condition.

22. (currently amended) The terminalcomputer according to claim 17, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control terminalcomputer or a

terminalcomputer operation in response to the remote operation input information satisfies a predetermined start condition.

23. (currently amended) The terminalcomputer according to claim 18, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control terminalcomputer or a terminalcomputer operation in response to the remote operation input information satisfies a predetermined start condition.

24. (currently amended) The terminalcomputer according to claim 15, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control terminalcomputer or a terminalcomputer operation in response to the remote operation input information satisfies a predetermined stop condition.

25. (currently amended) The terminalcomputer according to claim 17, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control terminalcomputer or a terminalcomputer operation in response to the remote operation input information satisfies a predetermined stop condition.

26. (currently amended) The terminalcomputer according to claim 18, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control terminalcomputer or a terminalcomputer operation in response to the remote operation input information satisfies a predetermined stop condition.

27. (currently amended) The terminalcomputer according to claim 15, wherein remote operation history recording is stopped after a lapse of a predetermined time period from the start of remote operation history recording.

28. (currently amended) A terminalcomputer to be remotely controlled by a distant control terminalcomputer through a network, said terminalcomputer comprising:

means for receiving a remote operation message from the distant control terminalcomputer through the network;

means for extracting remote operation information relating to software being executed by the computer from the received remote operation message which is input into an operating system of said terminalcomputer to cause the software being executed by the computer to perform a particular function; and

history recording means for recording, as remote control history data, the remote operation information, which has been extracted from the received remote operation message by said means for extracting, at said terminalcomputer being remotely controlled by the distant control

terminalcomputer in response to input of the remote operation message into the operating system of said terminalcomputer.

29. (currently amended) A terminalcomputer to be remotely controlled by a distant control terminalcomputer through a network, said terminalcomputer comprising:

communication control means for receiving a remote operation message relating to software being executed by the computer from the distant control terminalcomputer through the network;

remote operation basic control means for extracting remote operation information from the received remote operation message which is input into an operating system of said terminalcomputer to cause the software being executed by the computer to perform a particular function; and

history recording means for creating a remote control history file at said terminalcomputer being remotely controlled by the distant control terminalcomputer in response to the received remote operation message having been input to the operating system, said remote control history file including the extracted remote operation information and information supplied from the operating system to an application program.

30. (currently amended) A terminalcomputer to be remotely controlled by a distant control terminalcomputer through a network, said terminalcomputer comprising:

communication control means for receiving a remote operation message relating to software being executed by the computer from the distant ~~terminal~~computer through the network;

remote operation basic control means for extracting remote operation information from the received remote operation message which is input into an operating system of said ~~terminal~~computer to cause the software being executed by the computer to perform a particular function;

hooking means for capturing information supplied from the operating system to the software~~an application program~~; and

history recording means for creating event data at said ~~terminal~~computer being remotely controlled by the distant control ~~terminal~~computer in response to the received remote operation message having been input to the operating system, said event data including the remote operation information and the information captured by the hooking means and for recording the created event data in a remote control history file.

31. (currently amended) The ~~terminal~~computer according to claim 29, wherein said remote operation basic control means generates a message for reflecting the change in a ~~terminal~~computer screen in response to the remote operation input information to said distant ~~terminal~~computer, and sends the generated message to the network via said communication control means.

32. (currently amended) The terminalcomputer according to claim 30, wherein said remote operation basic control means generates a message for reflecting the change in a terminalcomputer screen in response to the remote operation input information to said distant terminalcomputer, and sends the generated message to the network via said communication control means.

33. (currently amended) The terminalcomputer according to claim 28, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control terminalcomputer or a terminalcomputer operation in response to the remote operation input information satisfies a predetermined start condition.

34. (currently amended) The terminalcomputer according to claim 29, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control terminalcomputer or a terminalcomputer operation in response to the remote operation input information satisfies a predetermined start condition.

35. (currently amended) The terminalcomputer according to claim 30, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control terminalcomputer or a

terminalcomputer operation in response to the remote operation input information satisfies a predetermined start condition.

36. (currently amended) The terminalcomputer according to claim 28, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control terminalcomputer or a terminalcomputer operation in response to the remote operation input information satisfies a predetermined stop condition.

37. (currently amended) The terminalcomputer according to claim 29, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control terminalcomputer or a terminalcomputer operation in response to the remote operation input information satisfies a predetermined stop condition.

38. (currently amended) The terminalcomputer according to claim 30, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control terminalcomputer or a terminalcomputer operation in response to the remote operation input information satisfies a predetermined stop condition.

39. (currently amended) The ~~terminal~~computer according to claim 28, wherein remote operation history recording is stopped after a lapse of a predetermined time period from the start of remote operation history recording.

40. (currently amended) A remote operation history recording method for use in a computer network system in which one of a plurality of ~~terminal~~computers is used as a control ~~terminal~~computer for conducting remote control operation of another ~~terminal~~computer which is used as a remote controlled ~~terminal~~computer, the method comprising the steps of:

 sending a remote operation message relating to software being executed by the remote controlled computer from said control ~~terminal~~computer to said remote controlled ~~terminal~~computer;

 extracting remote operation information from the remote operation message received by the remote controlled ~~terminal~~computer, and causing the software to perform a particular function ~~executing a program operation at~~ the remote controlled ~~terminal~~computer according to the remote operation message upon input of the remote operation message into an operating system of said remote controlled ~~terminal~~computer;

 storing, as operation history data, the extracted remote operation information and event information generated according to the remote operation message at the remote controlled ~~terminal~~computer;

 sending a message indicating the results of execution of the program operation from the remote controlled ~~terminal~~computer to the control ~~terminal~~computer; and

storing, as operation history data, event information indicating the results of the program operation at the remote controlled terminalcomputer.

41. (currently amended) The remote operation history recording method according to claim 40, wherein the remote controlled terminalcomputer judges whether or not the remote operation input information extracted from the remote operation message received from the control terminalcomputer or a program operation executed in response to the remote operation input information satisfies a predetermined start condition, and if the predetermined start condition is satisfied, remote operation history recording is started at the remote controlled terminalcomputer to store event information based on the remote operation input information and event information indicating the results of execution of the program operation.

42. (currently amended) A terminalcomputer to be remotely controlled by a distant control terminalcomputer through a network, said terminalcomputer comprising:

means for receiving a remote operation message relating to software being executed by the computer relating to software being executed by the computer from the distant control terminalcomputer through the network;

means for extracting remote operation information from the received remote operation message which is input into an operating system of said terminalcomputer to cause the software being executed by the computer to perform a particular function;

history recording means for recording in a memory the extracted remote operation information as remote control history data at the terminalcomputer being remotely controlled by the distant control terminalcomputer; and

means for displaying remote control history information on a display screen of the terminalcomputer being remotely controlled by the distant control terminalcomputer based on the remote control history data recorded in the memory according to a request from a terminalcomputer user.

43. (currently amended) The terminalcomputer according to claim 42, wherein history recording means records in said memory, as a part of the remote control history data, transition of display which has occurred on said terminalcomputer display screen in response to processing the remote operation input information.

44. (currently amended) A terminalcomputer to be remotely controlled by a distant control terminalcomputer through a network said terminalcomputer comprising:

communication control means for receiving a remote operation message relating to software being executed by the computer from the distant control terminalcomputer through the network;

remote operation basic control means for extracting remote operation information from the received remote operation message which is input into an operating system of said terminalcomputer to cause the software being executed by the computer to perform a particular function;

history recording means for creating a remote control history file at the terminalcomputer being remotely controlled by the distant control terminalcomputer in response to the received remote operation message having been input to the operating system, said remote control history file including the remote operation information and information supplied from the operating system to an application program; and

means for displaying remote control history information on a display screen of the terminalcomputer based on the contents of said remote control history file according to a request from a terminalcomputer user.

45. (currently amended) A terminalcomputer to be remotely controlled by a distant control terminalcomputer through a communication network said terminalcomputer comprising:

communication control means for receiving a remote operation message relating to software being executed by the computer from the distant control terminalcomputer through the network;

remote operation basic control means for extracting remote operation information from the received remote operation message which is input into an operating system of said terminalcomputer to cause the software being executed by the computer to perform a particular function;

hooking means for capturing information supplied from the operating system to the softwarean application program;

history recording means for creating event data including the extracted remote operation input information and the information captured by the hooking means in response to the received remote operation message having

been input to the operating system and for recording the created event data in a remote control history file at the terminalcomputer being remotely controlled by the distant control terminalcomputer; and

means for displaying remote control history information on a display screen of the terminalcomputer being remotely controlled by the distant control terminalcomputer based on the contents of said remote control history file according to a request from a terminalcomputer user.

46. (currently amended) The terminalcomputer according to claim 44, wherein said remote operation basic control means generates a message for reflecting the change in a terminalcomputer screen in response to the remote operation input information to said distant terminalcomputer, and sends the generated message to the network via said communication control means.

47. (currently amended) The terminalcomputer according to claim 45, wherein said remote operation basic control means generates a message for reflecting the change in a terminalcomputer screen in response to the remote operation input information to said distant terminalcomputer, and sends the generated message to the network via said communication control means.

48. (currently amended) The terminalcomputer according to claim 42, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote

operation input information from the distant control terminalcomputer or a terminalcomputer operation in response to the remote operation input information satisfies a predetermined start condition.

49. (currently amended) The terminalcomputer according to claim 44, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control terminalcomputer or a terminalcomputer operation in response to the remote operation input information satisfies a predetermined start condition.

50. (currently amended) The terminalcomputer according to claim 45, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control terminalcomputer or a terminalcomputer operation in response to the remote operation input information satisfies a predetermined start condition.

51. (currently amended) The terminalcomputer according to claim 42, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control terminalcomputer or a terminalcomputer operation in response to the remote operation input information satisfies a predetermined stop condition.

52. (currently amended) The ~~terminal~~computer according to claim 44, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control ~~terminal~~computer or a ~~terminal~~computer operation in response to the remote operation input information satisfies a predetermined stop condition.

53. (currently amended) The ~~terminal~~computer according to claim 45, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control ~~terminal~~computer or a ~~terminal~~computer operation in response to the remote operation input information satisfies a predetermined stop condition.

54. (currently amended) The ~~terminal~~computer according to claim 42, wherein remote operation history recording is stopped after a lapse of a predetermined time period from the start of remote operation history recording.